Learning to Fly: The Wright Brother's Adventure			
2007 Science			
Curriculum Standards			
Kansas Science			
Grades 5-7			
Activity/Lesson	**State**	**Standards**	
The Society	KS	SCI.5-7.1.1.1	identifies questions that can be answered through scientific investigations.
The Society	KS	SCI.5-7.1.2.1	develops questions and adapts (frames) the inquiry process to guide the appropriate type of investigation.
The Society	KS	SCI.5-7.1.3.1	after completing an investigation, generates alternative methods of investigation and/or further questions for inquiry.
The Society	KS	SCI.5-7.5.2.1	compares the work of various types of scientists and engineers.
The Society	KS	SCI.5-7.7.2.1	recognizes that new knowledge leads to new questions and new discoveries, replicates historic experiments to understand principles of science, and relates contributions of men and women to the fields of science.
Wright Brothers: 1900 Glider	KS	SCI.5-7.7.2.1	recognizes that new knowledge leads to new questions and new discoveries, replicates historic experiments to understand principles of science, and relates contributions of men and women to the fields of science.
Wright Brothers: 1901 Glider	KS	SCI.5-7.7.2.1	recognizes that new knowledge leads to new questions and new discoveries, replicates historic experiments to understand principles of science, and relates contributions of men and women to the fields of science.
Wright Brothers: 1902 Glider	KS	SCI.5-7.7.2.1	recognizes that new knowledge leads to new questions and new discoveries, replicates historic experiments to understand principles of science, and relates contributions of men and women to the fields of science.
Wright Brothers: 1903 Flyer	KS	SCI.5-7.7.2.1	recognizes that new knowledge leads to new questions and new discoveries, replicates historic experiments to understand principles of science, and relates contributions of men and women to the fields of science.
Meet the Wrights	KS	SCI.5-7.5.2.1	compares the work of various types of scientists and engineers.

Meet the Wrights	KS	SCI.5-7.7.2.1	recognizes that new knowledge leads to new questions and new discoveries, replicates historic experiments to understand principles of science, and relates contributions of men and women to the fields of science.
1900: Kitty Hawks	KS	SCI.5-7.7.2.1	recognizes that new knowledge leads to new questions and new discoveries, replicates historic experiments to understand principles of science, and relates contributions of men and women to the fields of science.
1901: The First Improvement	KS	SCI.5-7.7.2.1	recognizes that new knowledge leads to new questions and new discoveries, replicates historic experiments to understand principles of science, and relates contributions of men and women to the fields of science.
New Data	KS	SCI.5-7.7.2.1	recognizes that new knowledge leads to new questions and new discoveries, replicates historic experiments to understand principles of science, and relates contributions of men and women to the fields of science.
1903: Powered Flight	KS	SCI.5-7.2.3.2	describes, measures, and represents data on a graph showing the motion of an object (position, direction of motion, speed).
1904: Improvement in Dayton	KS	SCI.5-7.1.1.4	communicates scientific procedures, results and explanations.
1904: Improvement in Dayton	KS	SCI.5-7.2.3.1	identifies the forces that act on an object (e.g., gravity and friction)
Learning to Fly: The Wright Brother's Adventure			
2007 Science			
Curriculum Standards			
Kansas Science			
Grades 8-12			
Activity/Lesson	**State**	**Standards**	
The Society	KS	SCI.8-12.1.1.1	actively engages in asking and evaluating research questions.
The Society	KS	SCI.8-12.1.1.2	actively engages in investigations, including developing questions, gathering and analyzing data, and designing and conducting research
The Society	KS	SCI.8-12.7.3.1	demonstrates an understanding of the history of science.
The Society	KS	SCI.8-12.7.3.2	demonstrates a knowledge that scientific method historically proceeded from an inductive approach rather than a deductive approach.
Meet the Wrights	KS	SCI.8-12.7.3.1	demonstrates an understanding of the history of science.

Meet the Wrights	KS	SCI.8-12.7.3.2	demonstrates a knowledge that scientific method historically proceeded from an inductive approach rather than a deductive approach.
1901: The First Improvement	KS	SCI.8-12.1.1.4	actively engages in conducting an inquiry, formulating and revising his or her scientific explanations and models (physical, conceptual, or mathematical) using logic and evidence, and recognizing that potential alternative explanations and models should be considered.
1901: The First Improvement	KS	SCI.8-12.7.2.1	understands scientific knowledge describes and explains the physical world in terms of matter, energy, and forces. Scientific knowledge is provisional and is subject to change as new evidence becomes available.
New Data	KS	SCI.8-12.1.1.5	actively engages in communicating and defending the design, results, and conclusion of his/her investigation.
1902: Success at Last	KS	SCI.8-12.1.1.4	actively engages in conducting an inquiry, formulating and revising his or her scientific explanations and models (physical, conceptual, or mathematical) using logic and evidence, and recognizing that potential alternative explanations and models should be considered.
1903: Powered Flight	KS	SCI.8-12.1.1.4	actively engages in conducting an inquiry, formulating and revising his or her scientific explanations and models (physical, conceptual, or mathematical) using logic and evidence, and recognizing that potential alternative explanations and models should be considered.
1904: Improvement in Dayton	KS	SCI.8-12.1.1.5	actively engages in communicating and defending the design, results, and conclusion of his/her investigation.
1904: Improvement in Dayton	KS	SCI.8-12.7.2.1	understands scientific knowledge describes and explains the physical world in terms of matter, energy, and forces. Scientific knowledge is provisional and is subject to change as new evidence becomes available.